

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Total Metals By EPA Method 200.8

Client ID: M107519  
Date Received: 01/19/06  
Date Extracted: 02/09/06  
Date Analyzed: 02/09/06  
Matrix: Water  
Units: ug/L (ppb)

Client: Alaskan Copper Works  
Project: Metro Self Monitor, PO# M107519  
Lab ID: 601162-01 10x  
Data File: 601162-01 10x.032  
Instrument: ICPMS1  
Operator: btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Lithium	90	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	774
Nickel	871
Copper	629
Zinc	20.8

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	Metro Self Monitor, PO# M107519
Date Extracted:	02/09/06	Lab ID:	I6-149 mb
Date Analyzed:	02/09/06	Data File:	I6-149 mb.026
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Lithium	92	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<10
Nickel	<10
Copper	<10
Zinc	<10

**FRIEDMAN & BRUYA, INC.****ENVIRONMENTAL CHEMISTS**

Date of Report: 02/13/06

Date Received: 01/19/06

Project: Metro Self Monitor, PO# M107519, F&amp;BI 601162

**QUALITY ASSURANCE RESULTS  
FOR THE ANALYSIS OF WATER SAMPLES  
FOR METALS BY EPA METHOD 200.8**

Laboratory Code: 602081-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	7.13	6.19	14	0-20
Nickel	ug/L (ppb)	2.34	2.00	16	0-20
Copper	ug/L (ppb)	4.16	3.75	10	0-20
Zinc	ug/L (ppb)	1.90	<1	nm	0-20

Laboratory Code: 602081-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	7.13	72	50-150
Nickel	ug/L (ppb)	20	2.34	79	50-150
Copper	ug/L (ppb)	20	4.16	67	50-150
Zinc	ug/L (ppb)	50	1.90	76	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	81	70-130
Nickel	ug/L (ppb)	20	90	70-130
Copper	ug/L (ppb)	20	81	70-130
Zinc	ug/L (ppb)	50	87	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.  
Charlene Morrow, M.S.  
Yelena Aravkina, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

February 13, 2006

DUPLICATE COPY

INVOICE # 06ACU0213-2

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M107519, F&BI 601162 - Results of testing  
requested by Gerry Thompson for material submitted on January 19, 2006.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc  
by Method 200.8 @ \$80 per sample

\$ 80.00

Amount Due .....

\$ 80.00

FEDERAL TAX ID # (b) (6)

FRIEDMAN & BRUYA, INC.

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February 13, 2006

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

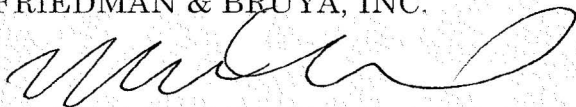
Dear Mr. Thompson:

Included are the results from the testing of material submitted on January 19, 2006 from the Metro Self Monitor, PO# M107519, F&BI 601162 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
ACU0213R.DOC

601162

## SAMPLE CHAIN OF CUSTODY

ME 01-19-06

AI3

Send Report To

Gerald Thompson

Company

Alaska Copper Works

Address

628 S. Harbor

City, State, ZIP

Seattle WA 98134

Phone #

206-582-8339

Fax #

206-582-4309

SAMPLES (signature)

PROJECT NAME/NO.

Metro Self monitor

PO #

M10759

REMARKS

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
M10759	01	1/19/06	12:45	H2O	1											

Friedman & Bruya, Inc.  
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

PRINT NAME

Gerald Thompson

Nhan Phan

COMPANY

ACW

F&amp;B I

DATE

1/19/06

1/19/06

TIME

1:53pm

1:53pm